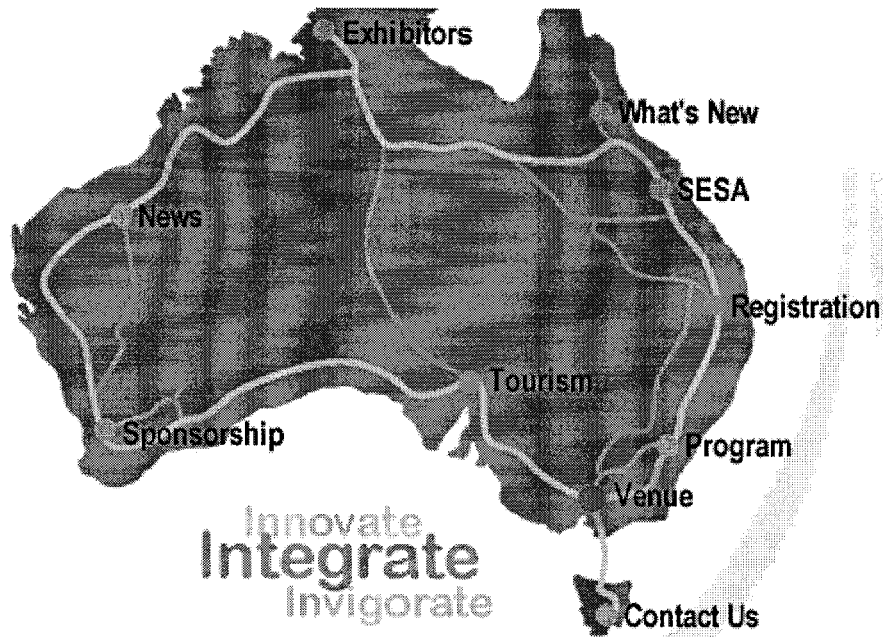# Using COTS tools in the development of a Avionics Architecture Model Based Tool

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Abstract. Information and discussion of the development of an Avionics System Architecture Tool (ASAT) that is model-based using commercial off the shelf (COTS) products will be provided. Statemate Magnum from I-Logix Inc. was used in this work. Four areas of interest will be discussed. How ASAT allows Architecture trades in a cost-effective manner with environments in which requirements are frequently changing. How "Plug n' Play" allows general models to be rapidly constructed in ASAT. How technical concerns are represented utilising a common standard interface. Finally, how the tool can be used for evaluating and producing lower level requirements and applied to the mission operation model of the spacecraft.

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